

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06	Engineering Information Encompass files have new names
NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07	DGENE Reload
NEWS	8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS	9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS	10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS	11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS	12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS	13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	14	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	15	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	16	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	17	Oct 22	Over 1 million reactions added to CASREACT
NEWS	18	Oct 22	DGENE GETSIM has been improved
NEWS	19	Oct 29	AAASD no longer available
NEWS	20	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	21	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	22	Nov 29	COPPERLIT now available on STN
NEWS	23	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	24	Nov 30	Files VETU and VETB to have open access
NEWS	25	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	26	Dec 10	DGENE BLAST Homology Search
NEWS	27	Dec 17	WELDASEARCH now available on STN
NEWS	28	Dec 17	STANDARDS now available on STN
NEWS	29	Dec 17	New fields for DPCI
NEWS	30	Dec 19	CAS Roles modified
NEWS	31	Dec 19	1907-1946 data and page images added to CA and Caplus
NEWS EXPRESS			August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:28:20 ON 07 JAN 2002

=> stille reaction

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'CAPLUS' ENTERED AT 07:28:37 ON 07 JAN 2002

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FILE COVERS 1907 - 7 Jan 2002 VOL 136 ISS 2

FILE LAST UPDATED: 6 Jan 2002 (20020106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Caplus now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The CA Lexicon is now available in the Controlled Term (/CT) field.

Enter HELP LEXICON for full details.

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=> stille reaction

851 STILLE  
2401697 REACTION  
1720406 REACTIONS  
3216023 REACTION  
(REACTION OR REACTIONS)  
L1 153 STILLE REACTION  
(STILLE(W) REACTION)

=> stille couling

851 STILLE  
20 COULING  
L2 0 STILLE COULING  
(STILLE(W) COULING)

=> stille coupling

851 STILLE  
329647 COUPLING  
21199 COUPLINGS  
339835 COUPLING  
(COUPLING OR COUPLINGS)  
L3 558 STILLE COUPLING  
(STILLE(W) COUPLING)

=> stille

L4 851 STILLE

=> oxygen

521124 OXYGEN  
5447 OXYGENS  
L5 524935 OXYGEN  
(OXYGEN OR OXYGENS)

=> l4 and l5

L6 7 L4 AND L5

=> d l6 1-7 ti

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI Trans-Di(.mu.-acetato)-bis[o-(di-o-tolyl-phosphino)benzyl]dipalladium(II)

L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI Solid phase synthesis of alkenyldiarylmethanes targeting HIV-1 reverse transcriptase

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI **Stille** Couplings Catalytic in Tin: The "Sn-O" Approach

L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis and binding properties of a macrocyclic peptide receptor

L6 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI Palladium-catalyzed hydrostannylations of 1-bromoalkynes. A practical synthesis of (E)-1-stannylalk-1-enes

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI Palladium-catalyzed hydrostannylations of 1-bromoalkynes. A practical synthesis of (E)-1-stannylalk-1-enes

L6 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI A Unified Strategy for the Synthesis of Highly Substituted Dihydrobenzofurans and Dihydrobenzopyrans

=> air

744612 AIR  
208 AIRS  
L7 744710 AIR  
(AIR OR AIRS)

=> 14 and 17

L8 9 L4 AND L7

=> 18 not 16

L9 9 L8 NOT L6

=> d 19 1-9 ti

L9 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis, characterization, and electrooptical properties of a new alternating N-dodecyl pyrrole-benzo thiadiazole copolymer

L9 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Studies toward the asymmetric total synthesis of Strychnos alkaloid (-)-strychnine

L9 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Microwave mediated palladium-catalyzed reactions on potassium fluoride/alumina without use of solvent

L9 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Oxime Palladacycles: Stable and Efficient Catalysts for Carbon-Carbon Coupling Reactions

L9 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling in

**Air.** [Erratum to document cited in CA131:322369]

L9 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling in

**Air**

L9 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI New aryl/heteroaryl C-N bond cross-coupling reactions via copper-promoted arylation using arylboronic acid.

L9 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI A synthesis of trisquinones.

L9 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Absorption by sodium vapor of the yellow twilight line

=> d 19 6,7 ti bib abs

L9 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling  
in

**Air**

AN 1999:574281 CAPLUS  
DN 131:322369  
TI Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling  
in

**Air**

AU Venkatraman, Sripathy; Li, Chao-Jun  
CS Department of Chemistry, Tulane University, New Orleans, LA, 70118, USA  
SO Org. Lett. (1999), 1(7), 1133-1135  
CODEN: ORLEF7; ISSN: 1523-7060  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 131:322369  
AB We report a novel palladium-catalyzed Ullmann-type reductive coupling of  
aryl halides under an **air** atm. and in aq. acetone.

RE.CNT 36

RE

- (1) Baeckvall, J; Pure Appl Chem 1983, V55, P1669 CAPLUS
  - (2) Bamfield, P; Synthesis 1978, P537 CAPLUS
  - (3) Baughman, R; Chem Rev 1982, V82, P209 CAPLUS
  - (6) Brunner, H; Tetrahedron Lett 1999, V40, P4815 CAPLUS
  - (8) Fanta, P; Chem Rev 1964, V64, P613 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI New aryl/heteroaryl C-N bond cross-coupling reactions via copper-promoted  
arylation using arylboronic acid.

AN 1998:530874 CAPLUS

TI New aryl/heteroaryl C-N bond cross-coupling reactions via copper-promoted  
arylation using arylboronic acid.

AU Lam, P. Y. S.; Clark, C. G.; Saubern, S.; Adams, J.; Li, R.; Winters, M.  
P.; Chan, D. M. T.; Combs, A.

CS DuPont Merck Pharmaceutical Company, Wilmington, DE, 19880-0500, USA

SO Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27  
(1998), ORGN-512 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 66KYA2

DT Conference; Meeting Abstract

LA English

AB Aryl/aryl C-C bond cross-coupling reactions, such as Suzuki and  
**Stille** reactions, are important and powerful methodologies in org.  
synthesis. However, the corresponding aryl/heteroaryl C-N bond  
cross-coupling reactions are not common, esp. ones that involve mild  
conditions (weak base and room temp.) and are applicable to a wide  
spectrum of heteroarenes and aryl partners. We would like to report that  
a new aryl/heteroaryl C-N bond cross-coupling reaction via  
copper-promoted

arylation of N-H contg. heteroarenes using arylboronic acids has been  
discovered. This new methodol. is mild, proceeds at room temp. exposed  
to

air, and works for many heteroarenes and arylboronic acids providing good yields of N-arylated heteroarenes. This new methodol. is potentially useful in generating libraries contg. diverse heterocycles. [Equation Omitted].

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.45	26.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 07:33:15 ON 07 JAN 2002

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 07:40:05 ON 07 JAN 2002  
FILE 'CAPLUS' ENTERED AT 07:40:05 ON 07 JAN 2002  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.45	26.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.46	27.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

FILE 'REGISTRY' ENTERED AT 07:40:19 ON 07 JAN 2002  
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STRUCTURE FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9  
DICTIONARY FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.96	28.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'REGISTRY' ENTERED AT 07:42:00 ON 07 JAN 2002  
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STRUCTURE FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9  
DICTIONARY FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

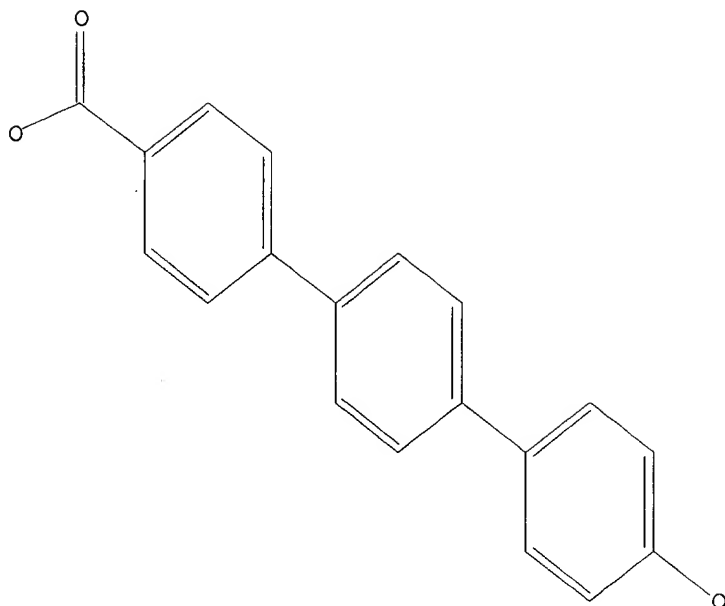
Uploading 09914478 root terphenyl.str

L10 STRUCTURE UPLOADED

=> d l10

L10 HAS NO ANSWERS

L10 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l10 sss sam

SAMPLE SEARCH INITIATED 07:44:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3817 TO ITERATE

26.2% PROCESSED 1000 ITERATIONS

2 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 72638 TO 80042

PROJECTED ANSWERS: 2 TO 317

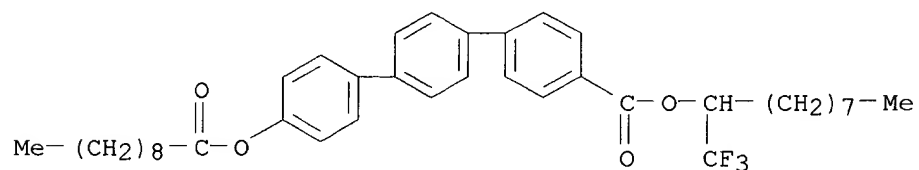
L11 2 SEA SSS SAM L10

=> d scan

L11 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS

IN [1,1':4',1''-Terphenyl]-4-carboxylic acid, 4''-[(1-oxodecyl)oxy]-,  
1-(trifluoromethyl)nonyl ester (9CI)

MF C39 H49 F3 O4



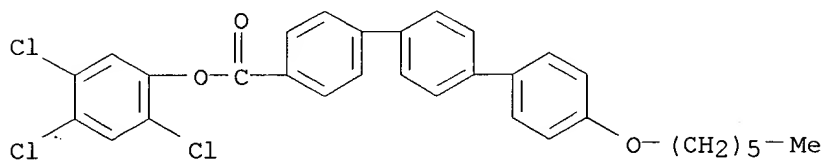


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L11 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS  
IN [1,1':4',1''-Terphenyl]-4-carboxylic acid, 4''-(hexyloxy)-,  
2,4,5-trichlorophenyl ester (9CI)  
MF C31 H27 Cl3 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> search sss full

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end  
SEARCH ENDED BY USER

=> search l10 sss full  
FULL SEARCH INITIATED 07:50:47 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 76659 TO ITERATE

100.0% PROCESSED 76659 ITERATIONS 67 ANSWERS  
SEARCH TIME: 00.00.02

L12 67 SEA SSS FUL L10

=> save temp l12 trphenreg/a  
ANSWER SET L12 HAS BEEN SAVED AS 'TRPHENREG/A'

=> file caplus

COST DISPLAY IS INCOMPLETE  
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	28.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-1.24

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 07 JAN 2002

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FILE COVERS 1907 - 7 Jan 2002 VOL 136 ISS 2  
FILE LAST UPDATED: 6 Jan 2002 (20020106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

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=> l12

L13 47 L12

=> save temp l13 terphcalist/a

ANSWER SET L13 HAS BEEN SAVED AS 'TERPHCALIST/A'

=> d his

(FILE 'HOME' ENTERED AT 07:28:20 ON 07 JAN 2002)

FILE 'CAPLUS' ENTERED AT 07:28:37 ON 07 JAN 2002

L1 153 STILLE REACTION  
L2 0 STILLE COULING  
L3 558 STILLE COUPLING  
L4 851 STILLE  
L5 524935 OXYGEN  
L6 7 L4 AND L5  
L7 744710 AIR  
L8 9 L4 AND L7  
L9 9 L8 NOT L6

FILE 'REGISTRY' ENTERED AT 07:40:19 ON 07 JAN 2002

FILE 'REGISTRY' ENTERED AT 07:42:00 ON 07 JAN 2002

L10           STRUCTURE UPLOADED  
L11           2 SEARCH L10 SSS SAM  
L12           67 SEARCH L10 SSS FULL  
              SAVE TEMP L12 TRPHENREG/A

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 07 JAN 2002

L13           47 L12  
              SAVE TEMP L13 TERPHCALIST/A

=> l13/prep

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> l12/prep

COMMAND INTERRUPTED

If this message appears repeatedly, please notify the Help Desk.

Enter "HELP STN" for information on contacting the nearest STN Help Desk by telephone or via SEND in the STNMAIL file.

=>

=> logoff hold

COST DISPLAY IS INCOMPLETE  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.66	34.23

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-1.24

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:01:10 ON 07 JAN 2002

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'CAPLUS' AT 08:10:53 ON 07 JAN 2002

FILE 'CAPLUS' ENTERED AT 08:10:53 ON 07 JAN 2002

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COST DISPLAY IS INCOMPLETE  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.00	34.57

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
------------	-------

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CA SUBSCRIBER PRICE

ENTRY	SESSION
0.00	-1.24

=> d his

(FILE 'HOME' ENTERED AT 07:28:20 ON 07 JAN 2002)

FILE 'CAPLUS' ENTERED AT 07:28:37 ON 07 JAN 2002

L1	153	STILLE REACTION
L2	0	STILLE COULING
L3	558	STILLE COUPLING
L4	851	STILLE
L5	524935	OXYGEN
L6	7	L4 AND L5
L7	744710	AIR
L8	9	L4 AND L7
L9	9	L8 NOT L6

FILE 'REGISTRY' ENTERED AT 07:40:19 ON 07 JAN 2002

FILE 'REGISTRY' ENTERED AT 07:42:00 ON 07 JAN 2002

L10		STRUCTURE UPLOADED
L11	2	SEARCH L10 SSS SAM
L12	67	SEARCH L10 SSS FULL
		SAVE TEMP L12 TRPHENREG/A

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 07 JAN 2002

L13	47	L12
		SAVE TEMP L13 TERPHCALIST/A

=> 14 and 113

L14	0	L4 AND L13
-----	---	------------

=> 112/prep

	47	L12
	2814968	PREP/RL
L15	32	L12/PREP
		(L12 (L) PREP/RL)

=> palladium

	114379	PALLADIUM
	33	PALLADIUMS
L16	114383	PALLADIUM
		(PALLADIUM OR PALLADIUMS)

=> 115 and 116

L17	0	L15 AND L16
-----	---	-------------

=> d '115 20-31 ti

L15	ANSWER 20 OF 32	CAPLUS	COPYRIGHT 2002 ACS
TI	Preparation of cyclopeptide antifungal and anti-pneumocystis compounds.		

L15	ANSWER 21 OF 32	CAPLUS	COPYRIGHT 2002 ACS
TI	Preparation of cyclohexapeptidyl amine compounds as antifungal or antiprotozoal agents		

L15	ANSWER 22 OF 32	CAPLUS	COPYRIGHT 2002 ACS
TI	Semisynthetic Chemical Modification of the Antifungal Lipopeptide		

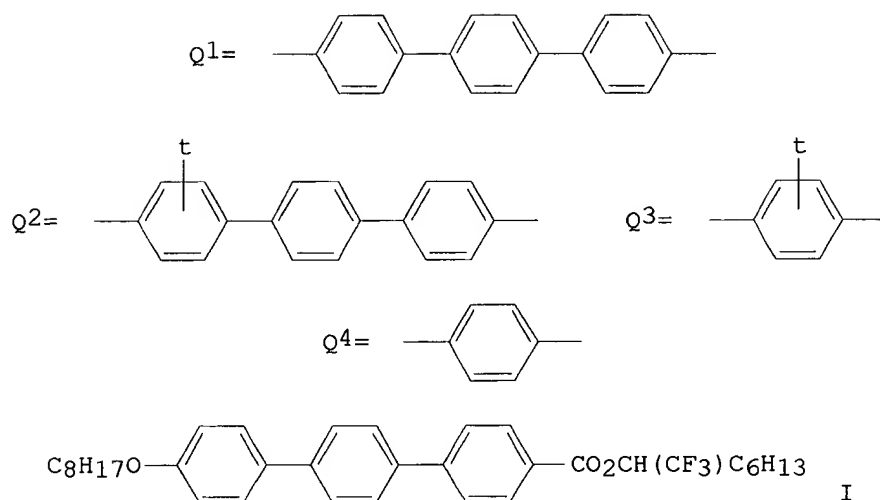
Echinocandin B (ECB): Structure-Activity Studies of the Lipophilic and Geometric Parameters of Polyarylated Acyl Analogs of ECB

- L15 ANSWER 23 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of echinocandin B derivatives with polyphenylene side chains as antifungals.
- L15 ANSWER 24 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Antiferroelectric liquid crystal compound.
- L15 ANSWER 25 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Antiferroelectric liquid-crystal compositions
- L15 ANSWER 26 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation and pharmaceutical compositions of cyclohexapeptidyl propanolamine compounds for antibiotics
- L15 ANSWER 27 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Pharmaceutical compositions containing antibacterial cyclohexapeptidyl aminoalkyl ethers
- L15 ANSWER 28 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Cyclic peptide antifungal agents and process for preparation thereof
- L15 ANSWER 29 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of terphenylcarboxylates as liquid crystals
- L15 ANSWER 30 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of optically active tetrahydropyran derivatives for liquid crystal compositions
- L15 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of benzoic acid derivatives as liquid crystals

=> d 115 29,20,26 ti fbib abs

L15 ANSWER 29 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of terphenylcarboxylates as liquid crystals  
AN 1994:216976 CAPLUS  
DN 120:216976  
TI Preparation of terphenylcarboxylates as liquid crystals  
IN Okabe, Nobuhiro; Kawamura, Ichiro; Hagiwara, Takashi; Yamakawa, Noriko  
PA Showa Shell Sekiyu, Japan  
SO Jpn. Kokai Tokkyo Koho, 13 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 05132449	A2	19930528	JP 1991-222310	19910807
OS	MARPAT 120:216976				
GI					



AB The title compds. R1XAYBZQ5HR3R2 (R1, R2 = alkyl; R3 = alkyl, haloalkyl;  
X = O, CO2, OCO, etc.; Y = CO2, OCO, CH2O, etc.; Z = CO2, O; A = Q1, Q2,  
etc.; t indicates that the ring has one or more halo substituents; B =  
Q3,  
Q4, etc.; Q5 indicates asym. carbon atom), useful as liq. crystals, were  
prepd. Reaction of 4"-octyloxyterphenyl-4-carbonyl chloride with  
1,1,1-trifluoro-2-octanol in the presence of Et3N and  
dimethylaminopyridine gave title compd. I. I exhibited phase transition  
temp. of 118.1.degree. between the SA and Iso phases.

L15 ANSWER 20 OF 32 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of cyclopeptide antifungal and anti-pneumocystis compounds.  
AN 1995:996828 CAPLUS  
DN 124:146869  
TI Preparation of cyclopeptide antifungal and anti-pneumocystis compounds.  
IN Balkovec, James M.; Bouffard, Frances Aileen; Black, Regina M.  
PA Merck and Co., Inc., USA  
SO PCT Int. Appl., 81 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9527074	A1	19951012	WO 1995-US3948	19950331
	W:	AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, UZ			
	RW:	KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5541160	A	19960730	US 1994-222157	19940404
	AU 9521307	A1	19951023	US 1994-222157	19940404
				AU 1995-21307	19950331
				US 1994-222157	19940404
				WO 1995-US3948	19950331

OS MARPAT 124:146869

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. [I; R = alkyl, alkenyl, Ph, biphenyl, naphthyl, terphenyl, alkylamino, dialkylamino, alkoxyaryl; R1, R2, R4 = H, OH; R3 = H, OH, O(CH2)nNRVRVI (RV, RVI, RVII = H, alkyl), O(CH2)nNRVRVIRVII+Y-; n = 2-6;

Y

= counterion; R5 = H, Me, OH; R6 = H, Me; R7 = H, Me, CH2C(:O)NH2, (CH2)2NRVRVI, (CH2)2NRVRVIRVII+Y-; R8 = Cl, Br, iodo, NO2, N3, (CH2)0-4NH2, (CH2)0-4NHalkyl, (CH2)0-4N(alkyl)2, (CH2)0-3CH(:NOH), NHC(:O)(CH2)1-6NH2, NHC(:O)(CH2)1-6NHC(:NH)(CH2)0-3H], were prepd. Thus, title compd. (II) (prepd. from pneumocandin B0) showed a min. fungicidal concn. of 0.25 .mu.g/mL against Candida albicans MY1055.

L15 ANSWER 26 OF 32 CAPLUS COPYRIGHT 2002 ACS

TI Preparation and pharmaceutical compositions of cyclohexapeptidyl propanolamine compounds for antibiotics

AN 1995:340888 CAPLUS

DN 122:299077

TI Preparation and pharmaceutical compositions of cyclohexapeptidyl propanolamine compounds for antibiotics

IN Balkovec, James M.; Hammond, Milton L.; Zambias, Robert A.

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

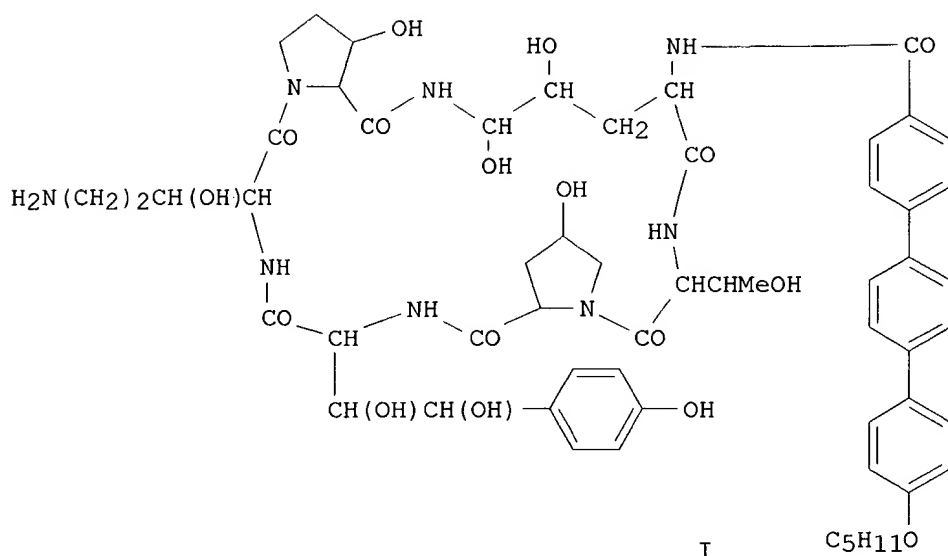
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9425050	A1	19941110	WO 1994-US4169	19940415
	W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TT, UA, US, UZ				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5948753	A	19990907	US 1993-58657	19930504
	AU 9469033	A1	19941121	US 1993-58657	19930504
	AU 670384	B2	19960711	AU 1994-69033	19940415
				US 1993-58657	19930504
				WO 1994-US4169	19940415
EP 701447	A1	19960320		WO 1994-917261	19940415
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
				US 1993-58657	19930504
				WO 1994-US4169	19940415
JP 08509728	T2	19961015		JP 1994-524337	19940415
				US 1993-58657	19930504
				WO 1994-US4169	19940415

OS MARPAT 122:299077

GI





AB Propanolamine compds. having a cyclohexapeptidyl nucleus (Markush included) and possessing antibiotic activity with phys. properties suitable for direct use in therapeutic compns. are disclosed. A novel process for their prepn. is also described. Four such compds., e.g. I, are specifically claimed. Tablet, capsule, aerosol, and injection formulations are presented. The compds. of the invention are esp. useful for treatment of mycotic infections and are also useful for prevention and treatment of *Pneumocystis carinii* pneumonia.

=> save all stilleapp/l  
L# LIST L1-L17 HAS BEEN SAVED AS 'STILLEAPP/L'

=> logoff hold

COST DISPLAY IS INCOMPLETE  
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	22.54	51.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.86	-3.10

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 08:16:11 ON 07 JAN 2002  
Connection closed by remote host

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x  
LOGINID:sssptal623paz  
PASSWORD:

**THIS PAGE BLANK (USPTO)**

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
 SESSION RESUMED IN FILE 'CAPLUS' AT 08:21:09 ON 07 JAN 2002  
 FILE 'CAPLUS' ENTERED AT 08:21:09 ON 07 JAN 2002  
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST DISPLAY IS INCOMPLETE		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	22.54	51.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.86	-3.10

=> d his

(FILE 'HOME' ENTERED AT 07:28:20 ON 07 JAN 2002)

FILE 'CAPLUS' ENTERED AT 07:28:37 ON 07 JAN 2002

L1 153 STILLE REACTION  
 L2 0 STILLE COULING  
 L3 558 STILLE COUPLING  
 L4 851 STILLE  
 L5 524935 OXYGEN  
 L6 7 L4 AND L5  
 L7 744710 AIR  
 L8 9 L4 AND L7  
 L9 9 L8 NOT L6

FILE 'REGISTRY' ENTERED AT 07:40:19 ON 07 JAN 2002

FILE 'REGISTRY' ENTERED AT 07:42:00 ON 07 JAN 2002

L10 STRUCTURE UPLOADED  
 L11 2 SEARCH L10 SSS SAM  
 L12 67 SEARCH L10 SSS FULL  
 SAVE TEMP L12 TRPHENREG/A

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 07 JAN 2002

L13 47 L12  
 SAVE TEMP L13 TERPHCALIST/A  
 L14 0 L4 AND L13  
 L15 32 L12/PREP  
 L16 114383 PALLADIUM  
 L17 0 L15 AND L16  
 SAVE ALL STILLEAPP/L

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COST DISPLAY IS INCOMPLETE		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	22.54	51.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.86	-3.10

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STRUCTURE FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9  
DICTIONARY FILE UPDATES: 6 JAN 2002 HIGHEST RN 380539-05-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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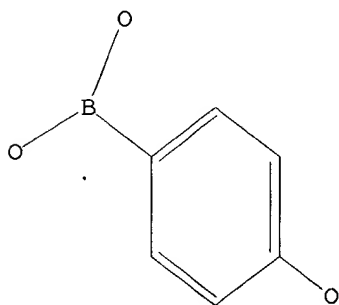
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L18 STRUCTURE UPLOADED

=> d l18

L18 HAS NO ANSWERS

L18 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l18 sss full

FULL SEARCH INITIATED 08:22:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3110 TO ITERATE

100.0% PROCESSED 3110 ITERATIONS  
SEARCH TIME: 00.00.01

115 ANSWERS

L19 115 SEA SSS FUL L18

=> file caplus

COST DISPLAY IS INCOMPLETE

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

0.00

-3.10

FILE 'CAPLUS' ENTERED AT 08:22:16 ON 07 JAN 2002  
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FILE COVERS 1907 - 7 Jan 2002 VOL 136 ISS 2  
FILE LAST UPDATED: 6 Jan 2002 (20020106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> 119

L20 814 L19

=> 115 and 120

L21 1 L15 AND L20

=> d 121 ti fbib abs

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of [1,1':4',11"]-terphenyls from arylboronate esters and biphenyl derivatives.

AN 2000:608703 CAPLUS

DN 133:207674

TI Preparation of [1,1':4',11"]-terphenyls from arylboronate esters and biphenyl derivatives.

IN Scherer, Stefan; Haber, Steffen

PA Clariant G.m.b.H., Germany

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DT Patent

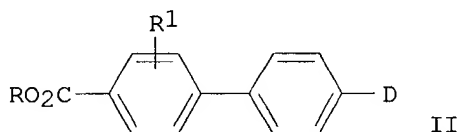
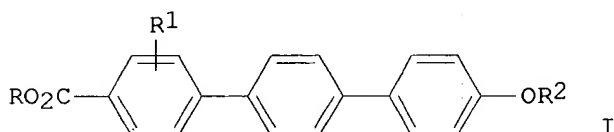
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000050375	A1	20000831	WO 2000-EP834	20000202
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	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
				DE 1999-19907904A	19990224
	DE 19907904	A1	20000831	DE 1999-19907904	19990224
	EP 1156997	A1	20011128	EP 2000-909137	20000202
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				DE 1999-19907904A	19990224
				WO 2000-EP834	W 20000202

OS CASREACT 133:207674; MARPAT 133:207674

GI



AB Title compds. [I; R = H, alkyl; R1 = H, alkyl, alkoxy; R2 = H, alkyl, (substituted) Ph, (CH2)xOR3; x = 1-4; R3 = alkyl], were prepd. by (1) reaction of 4-AC6H4OR4 [A = monovalent metal, MX; M = bivalent metal; X = Cl, Br, iodo; R4 = A, trisubstituted silyl, alkyl, (substituted) Ph, (CH2)xOR3] with a boric acid ester at -80.degree. to 40.degree. in the presence of an inert solvent followed by hydrolysis to give 4-[(HO)2B]C6H4OR4, (2) esterification of the latter, (3) reaction of the esters with biphenyl derivs. (II; R, R1 as above; D = Cl, Br, iodo, perfluoroalkylsulfonyl, diazonium) at 40-180.degree. in the presence of a catalyst, an acid acceptor, and a polar solvent. Thus, 4'-iodobiphenyl-4-carboxylic acid, 4-pentyloxyboronic acid ethylene glycol

ester (prepn. given), Na2CO3, and PdCl2(PPh3)2 were refluxed 6 h in MeOH/ethylene glycol to give 80% 4''-pentyloxy-[1,1':4',11'']-terphenyl-4-carboxylic acid of >99% purity.

RE.CNT 3

RE

(1) Henle, S; US 5693611 A 1997 CAPLUS

(2) Merck; WO 9425050 A 1994 CAPLUS

(3) Showa Shell Sekiyu; EP 0637624 A 1995 CAPLUS

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COST DISPLAY IS INCOMPLETE

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

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194.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

ENTRY

TOTAL

SESSION

CA SUBSCRIBER PRICE

-0.62

-3.72

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:24:25 ON 07 JAN 2002

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'CAPLUS' AT 08:39:45 ON 07 JAN 2002

FILE 'CAPLUS' ENTERED AT 08:39:45 ON 07 JAN 2002

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COST DISPLAY IS INCOMPLETE

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

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194.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

ENTRY

TOTAL

SESSION

CA SUBSCRIBER PRICE

-0.62

-3.72

=> d his

(FILE 'HOME' ENTERED AT 07:28:20 ON 07 JAN 2002)

FILE 'CAPLUS' ENTERED AT 07:28:37 ON 07 JAN 2002

L1 153 STILLE REACTION

L2 0 STILLE COULING

L3 558 STILLE COUPLING

L4 851 STILLE

L5 524935 OXYGEN

L6 7 L4 AND L5

L7 744710 AIR

L8 9 L4 AND L7

L9 9 L8 NOT L6

FILE 'REGISTRY' ENTERED AT 07:40:19 ON 07 JAN 2002

FILE 'REGISTRY' ENTERED AT 07:42:00 ON 07 JAN 2002

L10 STRUCTURE UPLOADED

L11 2 SEARCH L10 SSS SAM

L12 67 SEARCH L10 SSS FULL

SAVE TEMP L12 TRPHENREG/A

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 07 JAN 2002

L13 47 L12

SAVE TEMP L13 TERPHCALIST/A  
L14 0 L4 AND L13  
L15 32 L12/PREP  
L16 114383 PALLADIUM  
L17 0 L15 AND L16  
SAVE ALL STILLEAPP/L

FILE 'REGISTRY' ENTERED AT 08:21:25 ON 07 JAN 2002  
L18 STRUCTURE UPLOADED  
L19 115 SEARCH L18 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:22:16 ON 07 JAN 2002  
L20 814 L19  
L21 1 L15 AND L20

=> pd  
151134 PD  
1570 PDS  
L22 152421 PD  
(PD OR PDS)

=> 116 or 122  
L23 192230 L16 OR L22

=> 123 and 120  
L24 234 L23 AND L20

=> terphenyl?  
L25 6677 TERPHENYL?

=> 1024 and 125  
0 LO24  
L26 0 LO24 AND L25

=> 124 and 125  
L27 7 L24 AND L25

=> d 127 1-7 ti

L27 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI **Palladium**-Catalyzed Coupling Reactions of Biphenylene with  
Olefins, Arylboronic Acids, and Ketones Involving C-C Bond Cleavage

L27 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI New C2v- and Chiral C2-Symmetric Olefin Polymerization Catalysts Based on  
Nickel(II) and **Palladium**(II) Diimine Complexes Bearing  
2,6-Diphenyl Aniline Moieties: Synthesis, Structural Characterization,  
and  
First Insight into Polymerization Properties

L27 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI The synthesis and properties of host materials with fluoro substituents  
in  
the core and in a terminal chain for high dielectric biaxiality FLC  
mixtures

L27 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI The synthesis of novel highly substituted benzene derivatives for use in  
**palladium**-catalyzed cross-coupling reactions



L27 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of triaryl compounds as inhibitors of TNF- $\alpha$  release,  
PDE 4 isoenzyme activity, as immunosuppressants, and as antiinflammatories.

L27 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI Biphenyl compounds and use thereof as estrogenic agents

L27 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI The synthesis and transition temperatures of some lateral  
monofluoro-substituted 4,4''-dialkyl- and 4,4''-alkoxyalkyl-1,1':4',1''-  
**terphenyls**

=> d 127 1,4,5,7 ti fbib abs

L27 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI **Palladium**-Catalyzed Coupling Reactions of Biphenylene with  
Olefins, Arylboronic Acids, and Ketones Involving C-C Bond Cleavage  
AN 2001:394033 CAPLUS  
DN 135:152946  
TI **Palladium**-Catalyzed Coupling Reactions of Biphenylene with  
Olefins, Arylboronic Acids, and Ketones Involving C-C Bond Cleavage  
AU Satoh, Tetsuya; Jones, William D.  
CS Department of Chemistry, University of Rochester, Rochester, NY, 14627,  
USA  
SO Organometallics (2001), 20(13), 2916-2919  
CODEN: ORGND7; ISSN: 0276-7333  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 135:152946  
AB The reaction of biphenylene with olefins in the presence of **Pd**  
(PPh<sub>3</sub>)<sub>4</sub> leads to the catalytic formation of products arising from addn.  
of the vinylic C-H bond across the carbon-carbon bond of biphenylene. Weak  
acids are found to promote the reaction. Under similar conditions,  
arylboronic acids lead to products in which an aryl group adds across the  
C-C bond. Ketones and nitriles possessing  $\alpha$ -hydrogens are found to  
also add across the C-C bond of biphenylene, resulting in the formation  
of new biaryl derivs. Thus, **Pd**(PPh<sub>3</sub>)<sub>4</sub>-catalyzed coupling reaction  
of biphenylene with Bu acrylate and p-cresol gave 71% Bu  
3-(1,1'-biphenyl-2-yl)-2-propenoate (87:13 (E:Z)).

RE.CNT 75

RE

(1) Albert, J; J Organomet Chem 1996, V522, P59 CAPLUS  
(3) Bordwell, F; Acc Chem Res 1988, V21, P456 CAPLUS  
(4) Bryndza, H; J Am Chem Soc 1987, V109, P1444 CAPLUS  
(5) Bryndza, H; Polyhedron 1988, V7, P1441 CAPLUS  
(6) Bunnett, J; Tetrahedron 1985, V41, P4119 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS  
TI The synthesis of novel highly substituted benzene derivatives for use in  
**palladium**-catalyzed cross-coupling reactions  
AN 1998:631209 CAPLUS  
DN 130:66250

TI The synthesis of novel highly substituted benzene derivatives for use in **palladium**-catalyzed cross-coupling reactions  
 AU Hird, Michael; Lewis, Robert A.; Toyne, Kenneth J.; West, Jonathan J.; Wilson, Michael K.  
 CS Department of Chemistry, University of Hull, Hull, HU6 7RX, UK  
 SO J. Chem. Soc., Perkin Trans. 1 (1998), (20), 3479-3484  
 CODEN: JCPRB4; ISSN: 0300-922X  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 AB A combination of conventional electrophilic arom. substitution reactions and low-temp. ortho-directed lithiations has been used in the efficient synthesis of some novel highly substituted benzene derivs. contg. alkoxy, alkyl, bromo, cyano, fluoro and iodo functions. The use of such compds. is exemplified by selective **palladium**-catalyzed cross-coupling reactions to generate a series of **terphenyls** with a lateral fluoro substituent ortho to a lateral cyano group which have liq. crystal properties.

RE.CNT 41

RE

- (1) Balkwill, P; Mol Cryst Liq Cryst 1985, V123, P1 CAPLUS
  - (2) Bao, Z; J Am Chem Soc 1995, V117, P12426 CAPLUS
  - (3) Bridges, A; J Org Chem 1990, V55, P773 CAPLUS
  - (4) Bridges, A; Tetrahedron Lett 1992, V33, P7495 CAPLUS
  - (5) Bridges, A; Tetrahedron Lett 1992, V33, P7499 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of triaryl compounds as inhibitors of TNF-.alpha. release,  
 PDE 4 isoenzyme activity, as immunosuppressants, and as antiinflammatories.  
 AN 1997:618076 CAPLUS  
 DN 127:293133  
 TI Preparation of triaryl compounds as inhibitors of TNF-.alpha. release,  
 PDE 4 isoenzyme activity, as immunosuppressants, and as antiinflammatories.

IN Manley, Paul William

PA Novartis A.-G., Switz.; Manley, Paul William

SO PCT Int. Appl., 42 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9732853	A1	19970912	WO 1997-EP1157	19970307
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
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	AU 9720254	A1	19970922	AU 1997-20254	19970307
	AU 721783	B2	20000713		

			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
ZA 9702007	A	19980907	ZA 1997-2007	19970307
			GB 1996-4926	A 19960308
EP 885193	A1	19981223	EP 1997-908195	19970307
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO			
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			WO 1997-EP1157	W 19970307
CN 1216980	A	19990519	CN 1997-192856	19970307
			GB 1996-4926	A 19960308
BR 9708011	A	19990727	BR 1997-8011	19970307
			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
JP 2001501582	T2	20010206	JP 1997-531477	19970307
			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
US 6090817	A	20000718	US 1998-142099	19980901
			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
NO 9804120	A	19981109	NO 1998-4120	19980907
			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
US 6258843	B1	20010710	US 2000-559520	20000427
			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
			US 1998-142099	A319980901
US 6288092	B1	20010911	US 2000-655668	20000906
			GB 1996-4926	A 19960308
			WO 1997-EP1157	W 19970307
			US 1998-142099	A319980901
			US 2000-559520	A120000427
AB	Novel biphenylpyridines, biphenylbenzamides, biphenylphenylcarboxy compds., etc., were prepd. Thus, 4-methoxyphenylmagnesium bromide in THF was added to a mixt. of (Ph <sub>3</sub> P) <sub>2</sub> NiCl <sub>2</sub> and 4-bromopyridine hydrochloride in THF under cooling to give 4-(4-methoxyphenyl)pyridine. The latter was heated with Br in AcOH to give 4-(3-bromo-4-methoxyphenyl)pyridine. This was stirred with phenylboronic acid, tri-o-tolylphosphine, Pd (OAc) <sub>2</sub> , and Na <sub>2</sub> CO <sub>3</sub> in H <sub>2</sub> O/DMF at 80.degree. for 3 h to give 4-(2-methoxybiphen-5-yl)pyridine. Title compds. generally inhibited eosinophil activation by fMLP in the low nM range.			
L27	ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS			
TI	The synthesis and transition temperatures of some lateral monofluoro-substituted 4,4''-dialkyl- and 4,4''-alkoxyalkyl-1,1':4',1''-terphenyls			
AN	1991:419173 CAPLUS			
DN	115:19173			
TI	The synthesis and transition temperatures of some lateral monofluoro-substituted 4,4''-dialkyl- and 4,4''-alkoxyalkyl-1,1':4',1''-terphenyls			
AU	Gray, G. W.; Hird, M.; Toyne, K. J.			
CS	Sch. Chem., Univ. Hull, Hull, HU6 7RX, UK			
SO	Mol. Cryst. Liq. Cryst. (1991), 195, 221-37 CODEN: MCLCA5; ISSN: 0026-8941			
DT	Journal			
LA	English			
AB	The tetrakis(triphenylphosphine)palladium(0)-catalyzed cross-coupling of arylboronic acids with aryl halides was used to prep.			

several lateral F-substituted 4,4''-dialkyl- and 4,4''-alkoxyalkyl-1,1':4',1''-terphenyls. The m.ps., mesophase types and transition temps. of these compds. vary considerably depending on where the lateral fluoro-substituent is positioned. All the compds. have a strong tendency to form tilted smectic mesophases.

=> l1 or l3 or l4  
L28            851 L1 OR L3 OR L4

=> save temp all terphenyl/l  
L# LIST L1-L28 HAS BEEN SAVED AS 'TERPHENYL/L'

=> logoff hold

COST DISPLAY IS INCOMPLETE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	25.03	216.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.10	-6.20

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 08:49:07 ON 07 JAN 2002

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 09:06:42 ON 07 JAN 2002  
FILE 'CAPLUS' ENTERED AT 09:06:42 ON 07 JAN 2002  
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COST DISPLAY IS INCOMPLETE	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	25.03	216.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.10	-6.20

=> d his

(FILE 'HOME' ENTERED AT 07:28:20 ON 07 JAN 2002)

FILE 'CAPLUS' ENTERED AT 07:28:37 ON 07 JAN 2002

L1            153 STILLE REACTION  
L2            0 STILLE COULING  
L3            558 STILLE COUPLING  
L4            851 STILLE  
L5            524935 OXYGEN  
L6            7 L4 AND L5  
L7            744710 AIR

L8 9 L4 AND L7  
L9 9 L8 NOT L6

FILE 'REGISTRY' ENTERED AT 07:40:19 ON 07 JAN 2002

FILE 'REGISTRY' ENTERED AT 07:42:00 ON 07 JAN 2002  
L10 STRUCTURE UPLOADED  
L11 2 SEARCH L10 SSS SAM  
L12 67 SEARCH L10 SSS FULL  
SAVE TEMP L12 TRPHENREG/A

FILE 'CAPLUS' ENTERED AT 07:53:42 ON 07 JAN 2002  
L13 47 L12  
SAVE TEMP L13 TERPHCALIST/A  
L14 0 L4 AND L13  
L15 32 L12/PREP  
L16 114383 PALLADIUM  
L17 0 L15 AND L16  
SAVE ALL STILLEAPP/L

FILE 'REGISTRY' ENTERED AT 08:21:25 ON 07 JAN 2002  
L18 STRUCTURE UPLOADED  
L19 115 SEARCH L18 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:22:16 ON 07 JAN 2002  
L20 814 L19  
L21 1 L15 AND L20  
L22 152421 PD  
L23 192230 L16 OR L22  
L24 234 L23 AND L20  
L25 6677 TERPHENYL?  
L26 0 LO24 AND L25  
L27 7 L24 AND L25  
L28 851 L1 OR L3 OR L4  
SAVE TEMP ALL TERPHENYL/L

=> heck

1682 HECK  
1 HECKS  
L29 1683 HECK  
(HECK OR HECKS)

=> l29 and l7

L30 44 L29 AND L7

=> l29 and l5

L31 25 L29 AND L5

=> d l31 10-25 ti

L31 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Suppressed .beta.-hydride elimination in palladium-catalyzed cascade  
cyclization-coupling reactions: An efficient synthesis of  
3-arylmethylpyrrolidines

L31 ANSWER 11 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis and crystal structure of  
bis(2,3-dihydro-3-methylbenzothiazole-2-  
ylidene)palladium(II) diiodide: the first palladium complex with

benzothiazole carbene ligands suitable for homogeneous catalysis

- L31 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Introduction to homogeneous catalysis: carbon-carbon bond formation catalyzed by a defined palladium complex
- L31 ANSWER 13 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Intramolecular **Heck** cyclization-.beta.-alkoxy elimination in carbohydrate chemistry. A simple route to to enantiopure annelated dioxatricyclic compounds
- L31 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Versatile synthesis of 11-oxabicyclo[4.4.1]undeca-1,5-dienes by selective epoxidation of 1,6-disubstituted (E,Z,E)-1,3,5-hexatrienes and subsequent Cope rearrangement
- L31 ANSWER 15 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Palladium(II)-catalyzed phenylation of unsaturated compounds using phenylantimony chlorides under air
- L31 ANSWER 16 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis and properties of two kinds of poly(p-phenylene vinylene-co-2,5-didodecyl-p-phenylene vinylene)
- L31 ANSWER 17 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis of halogenated tetrabenzoporphyrins: A route to functionalized tetrabenzoporphyrin derivatives.
- L31 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Li and CNO abundances in the atmospheres of nine peculiar giants
- L31 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis and environmental stability of substituted poly(thienylene vinylenes)
- L31 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis of polycinnamamide catalyzed by palladium-graphite
- L31 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI A novel palladium(0) catalyzed tandem 1,3-allyl shift and **Heck** arylation
- L31 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Synthesis of 18-Noranhidrocamptothecin Analogs Which Retain Topoisomerase I Inhibitory Function
- L31 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Total synthesis of an antitumor antibiotic, (+-)-duocarmycin SA
- L31 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI A catalytic asymmetric synthesis of hydrindans
- L31 ANSWER 25 OF 25 CAPLUS COPYRIGHT 2002 ACS  
TI Regioselective palladium-catalyzed arylation of vinyl ethers with 4-nitrophenyl triflate. Control by addition of halide ions

=> 129(1)17

L32 37 L29(L)L7

=> d 132 20-37 ti

L32 ANSWER 20 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Studies on arylation of acrylic acid derivatives catalyzed by a silica-supported poly- $\gamma$ -( $\beta$ -cyanoethylsulfenyl)propylsiloxane palladium(0) complex

L32 ANSWER 21 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis and catalytic characteristics of supported polysiloxane-thiirane-palladium(0) complex

L32 ANSWER 22 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Tridentate SCS Palladium(II) Complexes: New, Highly Stable, Recyclable Catalysts for the Heck Reaction

L32 ANSWER 23 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Palladium catalyzed Heck and enantioselective allylic substitution reactions using reverse phase silica supports

L32 ANSWER 24 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Preparation and catalytic property of poly- $\gamma$ -( $\beta$ -cyanoethylsulfenyl) propylsiloxane palladium complexes

L32 ANSWER 25 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Tridentate SCS-palladium(II) complexes: New, highly stable, recyclable catalysts for the Heck reaction.

L32 ANSWER 26 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Palladium(II)-catalyzed phenylation of unsaturated compounds using phenylantimony chlorides under air

L32 ANSWER 27 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Highly active PdII cyclometallated imine catalysts for the Heck reaction

L32 ANSWER 28 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI The twofold Heck reaction on 1,2-dihalocycloalkenes and subsequent 6 $\pi$ -electrocyclization of the resulting (E,Z,E)-1,3,5-hexatrienes. A new formal {2+2+2}-assembly of six-membered rings

L32 ANSWER 29 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Novel polymers for light emitting diodes

L32 ANSWER 30 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Highly Active Pd(II) PCP-type Catalysts for the Heck Reaction

L32 ANSWER 31 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Coordination chemistry and mechanisms of metal-catalyzed C-C coupling reactions. Part 10. Palladacycles: efficient new catalysts for the Heck vinylation of aryl halides

L32 ANSWER 32 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Catalytic **Air** Pollution Control - Commercial Technology, by Ronald M. **Heck** and Robert J. Farrauto

L32 ANSWER 33 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Catalytic **Air** Pollution Control, Commercial Technology, by R.M.

Heck and R.J. Farrauto

L32 ANSWER 34 OF 37 CAPLUS COPYRIGHT 2002 ACS  
TI Highly Cross-Linked Polymers Based on Acetylene Derivatives of  
Tetraphenyladamantane

L32 ANSWER 35 OF 37 CAPLUS COPYRIGHT 2002 ACS  
TI Studies on the induction process of Heck reaction and the stability of  
immobilized colloidal palladium catalyst

L32 ANSWER 36 OF 37 CAPLUS COPYRIGHT 2002 ACS  
TI Generalized method of pressure drop and tube length calculation with  
boiling and condensing refrigerants within the entire zone of saturation

L32 ANSWER 37 OF 37 CAPLUS COPYRIGHT 2002 ACS  
TI An improved decomposition flask for determining carbon in the wet way

=> logoff hold

COST DISPLAY IS INCOMPLETE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
38.31	229.64

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.10	-6.20

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:10:23 ON 07 JAN 2002

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files  
NEWS 3 Feb 06 Engineering Information Encompass files have new names  
NEWS 4 Feb 16 TOXLINE no longer being updated  
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure  
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI  
NEWS 10 Aug 23 In-process records and more frequent updates now in  
MEDLINE  
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA  
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN  
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change  
to PHARMASEARCH



NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents Index

NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased

NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File

NEWS 17 Oct 22 Over 1 million reactions added to CASREACT

NEWS 18 Oct 22 DGENE GETSIM has been improved

NEWS 19 Oct 29 AAASD no longer available

NEWS 20 Nov 19 New Search Capabilities USPATFULL and USPAT2

NEWS 21 Nov 19 TOXCENTER(SM) - new toxicology file now available on STN

NEWS 22 Nov 29 COPPERLIT now available on STN

NEWS 23 Nov 29 DWPI revisions to NTIS and US Provisional Numbers

NEWS 24 Nov 30 Files VETU and VETB to have open access

NEWS 25 Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002

NEWS 26 Dec 10 DGENE BLAST Homology Search

NEWS 27 Dec 17 WELDASEARCH now available on STN

NEWS 28 Dec 17 STANDARDS now available on STN

NEWS 29 Dec 17 New fields for DPCI

NEWS 30 Dec 19 CAS Roles modified

NEWS 31 Dec 19 1907-1946 data and page images added to CA and CPlus

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001

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FILE 'HOME' ENTERED AT 10:16:22 ON 07 JAN 2002

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.15	0.15

FULL ESTIMATED COST

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FILE COVERS 1907 - 7 Jan 2002 VOL 136 ISS 2

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.34	0.49

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=>

NAME	CREATED	NOTES/TITLE
AAHYDROLYSIS/L	TEMP	47 L-NUMBERS
AAHYROLYZ/L	TEMP	12 L-NUMBERS
ALKYLATIN/L	13 DEC 2001	9 L-NUMBERS
BRIGHT/L	TEMP	11 L-NUMBERS
CARNOSICALZ/L	TEMP	22 L-NUMBERS
FEEDADD/A	TEMP	9 ANSWERS IN FILE CAPLUS
GLUCAGON/A	TEMP	126 ANSWERS IN FILE CAPLUS
INDIUMCL3/A	30 MAY 2001	1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A	04 AUG 2001	72 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A	24 APR 2001	59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A	19 APR 2001	196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A	10 JUL 2001	5519 ANSWERS IN FILE CAPLUS

PROSTACMPD15/A	01 AUG 2001	34 ANSWERS IN FILE CAPLUS
STILLEAPP/L	07 JAN 2002	17 L-NUMBERS
TERPHCALIST/A	TEMP	47 ANSWERS IN FILE CAPLUS
TERPHENYL/L	TEMP	28 L-NUMBERS
TRPHENREG/A	TEMP	67 ANSWERS IN FILE REGISTRY
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=>

NO SAVED SDI REQUESTS

=>

L1 (	153)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	STILLE REACTION
L2 (	0)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	STILLE COULING
L3 (	558)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	STILLE COUPLING
L4 (	851)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	STILLE
L5 (	524935)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	OXYGEN
L6 (	7)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L4 AND L5
L7 (	744710)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	AIR
L8 (	9)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L4 AND L7
L9 (	9)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L8 NOT L6
L10		STR			
L11 (	2)	SEA FILE=REGISTRY	SSS	SAM	L10
L12 (	67)	SEA FILE=REGISTRY	SSS	FUL	L10
L13 (	47)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L12
L14 (	0)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L4 AND L13
L15 (	32)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L12/PREP
L16 (	114383)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	PALLADIUM
L17 (	0)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L15 AND L16
L18		STR			
L19 (	115)	SEA FILE=REGISTRY	SSS	FUL	L18
L20 (	814)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L19
L21 (	1)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L15 AND L20
L22 (	152421)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	PD
L23 (	192230)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L16 OR L22
L24 (	234)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L23 AND L20
L25 (	6677)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	TERPHENYL?
L26 (	0)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	LO24 AND L25
L27 (	7)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L24 AND L25
L28 (	851)	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L1 OR L3 OR L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	0.49

FULL ESTIMATED COST

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=> suzuki

L29 2435 SUZUKI

=> 129(1)17

744612 AIR

208 AIRS

744710 AIR

(AIR OR AIRS)

L30 37 L29(L)L7

=> d 13027-37 ti

'L3027-37' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
APPS ----- AI, PRAI  
BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE  
PATS ----- PI, SO  
SAM ----- CC, SX, TI, ST, IT  
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;

SCAN must be entered on the same line as the DISPLAY,  
e.g., D SCAN or DISPLAY SCAN)

STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

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 ENTER DISPLAY FORMAT (BIB):end

=> d 130 27-37 ti

L30 ANSWER 27 OF 37 CAPLUS COPYRIGHT 2002 ACS  
 TI Comparison of 210Po/210Pb activity ratio between aerosol and deposition  
 in  
     the atmospheric boundary layer over the west coast of Japan

L30 ANSWER 28 OF 37 CAPLUS COPYRIGHT 2002 ACS  
 TI Thermal change of SnI2 thin films. Part 2. Isothermal change without  
 exposure to light radiation

L30 ANSWER 29 OF 37 CAPLUS COPYRIGHT 2002 ACS  
 TI Reverse hemolytic plaque assay analysis of prolactin release from  
 individual cells in cultures of male rat pituitaries

L30 ANSWER 30 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Modeling the nutrient and carbon cycles of the North Atlantic. 2. New production, particle fluxes, carbon dioxide gas exchange, and the role of organic nutrients

L30 ANSWER 31 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Air drying by pressure-swing adsorption

L30 ANSWER 32 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI On the period of constant drying rate

L30 ANSWER 33 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Suzuki emission control systems of two-stroke gasoline engines for Japanese 1978 emission standards

L30 ANSWER 34 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Application of high speed liquid chromatography and thin-layer chromatography to environmental carcinogens and related compounds

L30 ANSWER 35 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Heat transfer from wall surface to packed beds at high Reynolds number

L30 ANSWER 36 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI Anhydrides of basic amino acids

L30 ANSWER 37 OF 37 CAPLUS COPYRIGHT 2002 ACS

TI The lysozyme effect

=> suzuki coupling

2435 SUZUKI

329647 COUPLING

21199 COUPLINGS

339835 COUPLING

(COUPLING OR COUPLINGS)

L31 709 SUZUKI COUPLING

(SUZUKI(W) COUPLING)

=> l31(l)lo7

3 LO7

L32 0 L31(L)LO7

=> l31(l)l7

744612 AIR

208 AIRS

744710 AIR

(AIR OR AIRS)

L33 6 L31(L)L7

=> d l33 1-6 ti

L33 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis of biologically active phenols and related phenoxy radicals.

L33 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI An easily prepared, air and moisture stable, resin-bound palladium catalyst for Suzuki cross-coupling reactions

L33 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis and characterization of soluble high molecular weight phenyl

substituted PPV-derivatives

L33 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS  
TI Development of base-dopable polymers

L33 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS  
TI New Base-Doped Polyfluorene Derivatives

L33 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS  
TI Palladium-catalyzed reactions. Part 2. Suzuki coupling of chiral  
1,1'-binaphthyl systems. New synthetic routes to functionalize the 2- and  
2,2'-positions

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
17.94	18.43

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 10:23:27 ON 07 JAN 2002